L Number	Hits	L	DB	Time stamp
-	1285	(257/778).CCLS.	USPAT;	2002/08/15 14:28
			US-PGPUB; EPO; JPO; DERWENT;	
-	0	((257/778).CCLS.) and microvia	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/08/15 14:28
-	131	microvia	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/08/15 14:42
_	11	("4658332"   "4791248"   "5194326"   "5258330"   "5367764"   "5473119"	DERWENT; IBM_TDB USPAT	2002/08/15 14:31
	0.5	"5714252"   "5900674"   "6165892"   "6184577"   "6208525").PN.		0000 (00 (15 14 00
_	25 34	5367764.URPN.   ("3316618"   "3509270"   "3541222"     "3616532"   "3663931"   "3739469"     "3795037"   "3862790"   "4249302"     "4548451"   "4655519"   "4707657"     "4716049"   "4729809"   "4788766"     "4793814"   "4902606"   "4924353"     "4954878"   "5129142"   "5167512"     "5224265"   "5228861"   "5229647"     "5232548"   "5282312"   "5354205"     "5367764"   "5442143"   "5613033"     "5758413"   "5879787"   "5936848"     "5951305").PN.	USPAT USPAT	2002/08/15 14:32 2002/08/15 14:34
~	16	("4673773"   "5006182"   "5098771"   "5123849"   "5129142"   "5200112"   "5232548"   "5300402"   "5327013"   "5346558"   "5376403"   "5378402"   "5487218"   "5502893"   "5509203"   "5666722").PN.	USPAT	2002/08/15 14:35
_	10	("3322881"   "3334395"   "4211603"   "4287253"   "4479991"   "4718972"   "4994349"   "5116459"   "5232548"   "5309632").PN.	USPAT	2002/08/15 14:37
-	56	5487218.URPN.	USPAT	2002/08/15 14:37
_	347	(174/266).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/08/15 15:00
_	186	((174/266).CCLS.) and (via microvia cavity)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/08/15 14:43
-	10	("4617730"   "5615477"   "5854534"   "5883335"   "5994771"   "6051867"   "6107109"   "6114019"   "6229209"   "6239495").PN.	USPAT	2002/08/15 14:45
	33	("5046239"   "5063177"   "5172050"   "5229647"   "5236551"   "5249450"   "5420520"   "5426072"   "5483741"   "5487999"   "5528080"   "5541525"   "5578526"   "5592736"   "5607818"   "5633122"   "5634267"   "5674785"   "5686317"   "5716218"   "5781022"   "5783461"   "5801452"   "5815000"   "5834945"   "5869974"   "5878485"   "5896036"   "5915977"   "5929647"   "5931685"   "5962921"   "6013948").PN.	USPAT	2002/08/15 14:49
-	50	4617730.URPN.	USPAT	2002/08/15 14:51
L <u>-</u>	50	4617730.URPN.	USPAT	2002/08/15 14:51

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-	27		USPAT	2002/08/15 14:55
-	21	circuit with substrate with microvia	USPAT;	2002/08/15 15:02
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	1		IBM TDB	2000/00/15 15 02
-	1	insulating with layer with microvia and (257/\$).ccls.	USPAT;	2002/08/15 15:03
		(257/3).0018.	US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
_	20	microvia and (257/\$).ccls.	USPAT;	2002/08/15 15:04
	20	microvia and (257/4).ccis.	US-PGPUB;	2002/00/13 13.04
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	244	((257/778).CCLS.) and insulating with	USPAT;	2002/08/15 15:05
{		substrate	US-PGPUB;	2502,00,13 13.03
		542552455	EPO; JPO;	
			DERWENT;	
			IBM TDB	1
	1	5442143.URPN.	USPĀT	2002/08/15 15:28
-	34	("3316618"   "3509270"   "3541222"	USPAT	2002/08/15 15:33
		"3616532"   "3663931"   "3739469"		
		"3795037"   "3862790"   "4249302"		
		"4548451"   "4655519"   "4707657"		1
-		"4716049"   "4729809"   "4788766"		]
		"4793814"   "4902606"   "4924353"		
		"4954878"   "5129142"   "5167512"		
		"5224265"   "5228861"   "5229647"	1	
† I		"5232548"   "5282312"   "5354205"		
1		"5367764"   "5442143"   "5613033"		
		"5758413"   "5879787"   "5936848"		
		"5951305").PN.		
-	5	("5148265"   "5148266"   "5615824"	USPAT	2002/08/15 15:33
		"5632631"   "5802699").PN.		
-	14	("4339303"   "4424095"   "4571322"	USPAT	2002/08/15 15:38
		"4764327"   "5240817"   "5266446"		
		"5367764"   "5443672"   "5468681"		
		"5487218"   "5557844"   "5570504"		
	4.1	"5571593"   "5609889").PN.	IIC DA M	2002/08/15 15:41
-	41	5557844.URPN.	USPAT	2002/08/15 15:46
-	17	(((257/778).CCLS.) and insulating with substrate) and (cavity microvia via) with	USPAT;	2002/08/13 13:46
		metal with layer	US-PGPUB; EPO; JPO;	
		merat with raker	DERWENT;	
1			IBM TDB	
_	7	microvia with BGA	USPAT;	2002/08/15 15:47
	<b>,</b>		US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	483	via with BGA	USPAT;	2002/08/15 15:47
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	549	(174/256).CCLS.	USPAT;	2002/08/15 15:47
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	219	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	USPAT;	2002/08/15 15:58
		cavity)	US-PGPUB;	
			EPO; JPO;	
1			DERWENT; IBM TDB	1

	771	(257/691).CCLS.	USPAT;	2002/08/15 15:59
	. –	,,,	US-PGPUB;	2002, 00, 20 10:05
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
1_	55	((257/691).CCLS.) and circuit adj	USPAT;	2002/08/15 16:26
	33	substrate	US-PGPUB;	2002/08/13 16:28
		Jabberace	EPO; JPO;	
			DERWENT;	
			I	
_	126	("3611317"   "3629787"   "3643135"	IBM_TDB USPAT	2002/08/15 16:06
	120	"3949274"   "4202007"   "4249302"	OSPAI	2002/08/13 16:06
		"4271588"   "4289922"   "4371744"		
		"4453176"   "4480288"   "4489363"		
		"4499607"   "4502098"   "4509099"		
		"4525921"   "4547834"   "4574331"		{
1		"4581679"   "4601526"   "4631636"		
		"4638348"   "4640010"   "4648179"		
		"4679118"   "4688151"   "4695872"		
i		"4716259"   "4718163"   "4721831"		
		"4727410"   "4733461"   "4739444"     "4743568"   "4770640"   "4771366"		
	ļ	1 11111		
		"4774630"   "4781969"   "4800461"     "4801992"   "4803595"   "4807021"		
	ļ	, , , , , , , , , , , , , , , , , , , ,		
		,		
	İ			
		"4866508"   "4868712"   "4871317"     "4873764"   "4884167"   "4894706"		
		"4899439"   "4901136"   "4902637"	İ	
		"4910643"   "4922059"   "4922378"		
		"4930002"   "4931134"   "4937659"		
	ļ	"4937707"   "4939568"   "4953005"		
	į	"4953060"   "4956695"   "4956746"	į	
		"4956749"   "4958258"   "4963697"		}
	t	"4965702"   "4970577"   "4983533"		¥ 1
		"4984132"   "4991000"   "4992908"		
		"4996587"   "5003376"   "5006920"		
		"5006925"   "5007841"   "5010448"	ĺ	]
		"5016138"   "5019945"   "5025306"		,
		"5027253"   "5031072"   "5032896"	İ	
		"5034569"   "5049982"   "5051865"		1
		"5053856"   "5055907"   "5060116"		
		"5061990"   "5065277"   "5081563"		
		"5089880"   "5102828"   "5121297"		
		"5132613"   "5142448"   "5144532"		
		"5155661"   "5177594"   "5204806"		
		"5222014"   "5237204"   "5258330"		
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		"5346861"   "5347159"   "5349501"		
		"5355282"   "5357400"   "5362656"		
		"5396034"   "5404273"   "5419038"		
	1	"5426565"   "5435733"   "5479110").PN		

[- 126	("3611317"	"3629787"	1 0000000	1	LUCDAM.	2002/08/15	16.00
-   120	"3949274"			ı	USPAT	2002/08/15	10:00
}	"4271588"	"4202007"   "4289922"	"4249302"			Í	
	"4453176"		"4371744"				
	"4499607"	"4480288"	"4489363"				
		"4502098"	"4509099"				
	"4525921"	"4547834"	"4574331"				
	"4581679"	"4601526"	"4631636"			[	
	"4638348"	"4640010"	"4648179"				
	"4679118"	"4688151"	"4695872"				
}	"4716259"	4718163"	"4721831"				
	"4727410" "4743568"	"4733461"   "4770640"	"4739444 <b>"</b>     "4771366 <b>"</b>				
	"4774630"	"4781969"	"4800461"				
	"4801992"		"4800461"     "4807021"				
	"4811082"	"4803595"   "4841355"	4807021     "4855809"				
İ	"4855871"		"4853809     "4862249"				
-	"4866508"	"4858073 <b>"</b>   "4868712 <b>"</b>					
	"4873764 <b>"</b>	"4884167"	"4871317"     "4894706"				
	"4899439"	"4901136"	"4994706     "4902637 <b>"</b>				
	"4910643"	"4901136	4902637     "4922378"				
	"4930002"	"4931134"	"4922376     "4937659"				
1	"4937707"	"4939568"	"4957039     "4953005"				
	"4953060"	"4956695"	"4955005     "4956746"				
	"4956749"	"4958258"	"4963697"				
]	"4965702"	"4970577"	"4983533"				
	"4984132"	"4991000"	"4992908"				
	"4996587"	"5003376"	"5006920"				
	"5006925 <b>"</b>	"5007841"	"5010448"				
	"5016138 <b>"</b>	"5019945"	"5025306"				
	"5027253 <b>"</b>	"5031072"	, 0023300     "5032896"				
<u> </u>	"5034569"	"5049982"	"5051865"				
	"5053856 <b>"</b>	"5055907"	"5060116"				
	"5061990 <b>"</b>	"5065277"	"5081563" I				
	"5089880 <b>"</b>	"5102828"	"5121297"				
	"5132613"	"5142448"	"5144532"				
	"5155661"	"5177594"	"5204806"				
	"5222014"	"5237204"	"5258330 <b>"</b>				
	"52787 <b>24"</b>	"5309324"	"5334804"				
	"5346861 <b>"</b>	"5347159 <b>"</b>	"5349501" i				
	"5355282 <b>"</b>	"5357400"	"5362656" i				
	"5396034 <b>"</b>	"5404273"	"5419038" i				
	"5426565 <b>"</b>	"5435733"	"5479110").	PN.			

- 126 ("3611317"   "3629787"   "3643135"   USPAT  "3949274"   "4202007"   "4249302"    "4271588"   "4289922"   "4371744"    "4453176"   "4480288"   "4489363"    "4499607"   "4502098"   "4509099"    "4525921"   "4547834"   "4574331"	2002/08/15 16:06
"4271588"   "4289922"   "4371744"   "4453176"   "4480288"   "4489363"   "4499607"   "4502098"   "4509099"   "4525921"   "4547834"   "4574331"	
"4453176"   "4480288"   "4489363"   "4499607"   "4502098"   "4509099"   "4525921"   "4547834"   "4574331"	
"4499607"   "4502098"   "4509099"   "4525921"   "4547834"   "4574331"	,
"4525921"   "4547834"   "4574331"	
1	
	l l
"4581679"   "4601526"   "4631636"	
"4638348"   "4640010"   "4648179"	
"4679118"   "4688151"   "4695872"	
"4716259"   "4718163"   "4721831"	
"4727410"   "4733461"   "4739444"	
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"4801992"   "4803595"   "4807021"	
"4811082"   "4841355"   "4855809"	
"4855871"   "4858073"   "4862249"	
"4866508"   "4868712"   "4871317"	
"4873764"   "4884167"   "4894706"	
"4899439"   "4901136"   "4902637"	
"4910643"   "4922059"   "4922378"	
"4930002"   "4931134"   "4937659"	
"4937707"   "4939568"   "4953005"	
"4953060"   "4956695"   "4956746"	
"4956749"   "4958258"   "4963697"	
"4965702"   "4970577"   "4983533"	
4984132"   "4991000"   "4992908"	
"4996587"   "5003376"   "5006920"	
"5006925"   "5007841"   "5010448"	
"5016138"   "5019945"   "5025306"	
"5027253"   "5031072"   "5032896"	
"5034569"   "5049982"   "5051865"	
"5053856"   "5055907"   "5060116"	
"5089880"   "5102828"   "5121297"	
"5132613"   "5142448"   "5144532"	
"5155661"   "5177594"   "5204806"	
"5222014"   "5237204"   "5258330"	ļ
"5278724"   "5309324"   "5334804"	
"5346861"   "5347159"   "5349501"	
"5355282"   "5357400"   "5362656"	
"5396034"   "5404273"   "5419038"	
"5426565"   "5435733"   "5479110").PN.	
- 1285 (257/778).CCLS. USPAT;	2002/08/15 17:20
US-PGPUB;	
EPO; JPO;	
DERWENT;	
IBM TDB	
	2002/08/16 09:57
	2002/00/10 03.57
US-PGPUB; EPO; JPO;	
DERWENT;	
IBM_TDB	000010011001
- 841 (via hole) with circular with pad USPAT;	2002/08/16 09:58
US-PGPUB;	1
EPO; JPO;	
DERWENT;	İ
IBM TDB	
- 47 ((via hole) with circular with pad) and USPAT;	2002/08/16 10:00
(257/\$).ccls. US-PGPUB;	
EPO; JPO;	
DERWENT;	
IBM TDB	l
- 3 ((via hole) with circular with pad) and USPAT;	2002/08/16 10:03
copper with ring with pad US-PGPUB;	2002/00/10 10:03
	ļ
EPO; JPO;	
DERWENT;	
IBM TDB	

-	0	soler with bump and copper with ring with pad	USPAT; US-PGPUB;	2002/08/16 10:03
Ì			EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	11	The state of the	USPAT;	2002/08/16 10:07
		pad	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	071		IBM_TDB	
_	271	solder with bump and ring with pad	USPAT;	2002/08/16 10:18
			US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
_	o .	circuti with pattern with disk and BGA	USPAT;	2002/08/16 10:19
	Ĭ	circuct with pattern with disk and box	US-PGPUB;	2002/00/10 10:19
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	0	circutit with pattern with disk and BGA	USPAT;	2002/08/16 10:19
		_	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	